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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

WASHINGTON, D.C. 20231

Application of: Billy R. Masten

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Group Art Unit 2877

Serial Number: 09/849831

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Filed: 05/04/01

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For: Digital Spectral Identifier-  
Controller and Related  
Methods

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Examiner: Evans, F

JUN 26 2001  
TC 2800 MAIL ROOM

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**Preliminary Amendment**  
**(37 CFR 1.115)**

Honorable Director of the U. S. Patent and Trademark Office  
Washington, D.C. 20231

Pursuant to the provisions of 37 CFR 1.115, kindly amend the claims 5-7, 16, and 29-31 as set forth below and add claims 32 through 40.

1 5. (Amended). A low cost, high speed spectral sensing method for identifying and  
2 collecting information on the physical condition of objects for remote analysis, said method  
3 comprising the steps of :

4 a) sensing the spectral distribution of a plurality of segments of wave lengths of light  
5 reflected by the object;

6 b) electronically measuring the magnitude of the segments of the reflected  
7 wavelengths to define a wide spectrum distribution of light received from said object; and

06/22/2001 CCHAU1 00000137 09849831

01 FC:203 81.00 OP  
02 FC:202 120.00 OP